

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

To:

see form PCT/ISA/220

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Date of mailing

(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference

see form PCT/ISA/220 2003P 096-1540

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/GB2005/000856

International filing date (day/month/year)

04.03.2005

Priority date (day/month/year)

06.03.2004

International Patent Classification (IPC) or both national classification and IPC

F16L59/14, F16L9/18

Applicant

SIEMENS MAGNET TECHNOLOGY LTD

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☒ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/GB2005/000856

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
 - ☐ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material:
 - ☐ in written format
 - ☐ in computer readable form
 - c. time of filing/furnishing:
 - ☐ contained in the international application as filed.
 - ☐ filed together with the international application in computer readable form.
 - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/GB2005/000856

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

| | | |
|-------------------------------|-------------|--------------|
| Novelty (N) | Yes: Claims | |
| | No: Claims | 1-4, 6-9, 11 |
| Inventive step (IS) | Yes: Claims | |
| | No: Claims | 10 |
| Industrial applicability (IA) | Yes: Claims | |
| | No: Claims | 1-11 |

2. Citations and explanations

see separate sheet

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

Re Item V

**Reasoned statement with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement**

Reference is made to the following documents:

D1: US-A-5 285 744 (GRANTHAM ET AL) 15 February 1994 (1994-02-15)

D2: US-A-4 233 816 (HENSLEY ET AL) 18 November 1980 (1980-11-18)

D3: US-B1-6 571 832 (ELLIOTT JERRY E) 3 June 2003 (2003-06-03)

D4: US-A-5 687 993 (BRIM ET AL) 18 November 1997 (1997-11-18)

1- Novelty

The subject matter of the following claims lacks novelty (Art. 33.2 PCT) because their features are known from D1.

1-1 Claim 1:

From D1, a hose suitable for supplying a compressed gas to an equipment, and conducting a return flow of gas from the equipment is known, wherein the hose comprises a inner (12) and outer (16) coaxial hoses defining a first inner conduit (14) and a second circumferential conduit (18) which surrounds the first conduit.

The inner conduit operable to transfer compressed gas from a compressor to the equipment and the inner conduit is operable to transfer the return flow of gas from the equipment to the compressor.

From D2, a hose suitable for supplying a compressed gas to an equipment, and conducting a return flow of gas from the equipment is known, wherein the hose comprises a inner (16) and outer (10) coaxial hoses defining a first inner conduit and a second circumferential conduit which surrounds the first conduit.

The inner conduit operable to transfer compressed gas from a compressor to the equipment and the inner conduit is operable to transfer the return flow of gas from the equipment to the compressor.

1-2 Claim 2:

The inner hose (see Fig.1) is supported within the inner hose, in this case by the connectors.

1-3 Claim 3:

The outer hose (16) of D1 is convoluted.

1-4 Claim 4:

See Fig.8.

1-5 Claim 6:

See D2, col.6, lines 35-40.

1-6 Claims 7, 8, 9:

Claims 7, 8 define in broad terms, i.e. without any limiting features a possible application for a transfer hose such as the one disclosed in D1.

As far as claim 7 is concerned, it is not even clear what type of medium the hose is supposed to transfer, or if it transfers anything.

1-7 Claim 11:

See 1-1.

2- Inventive step

The subject matter of the following claims would appear to lack an inventive step (Art. 33.3 PCT) for the reasons detailed below.

2-1 Claim 10:

From D4, it is known to circulate coaxially medical related fluids from an equipment to another

one. The application to the assembly referred to in claim 10, for which any suitable coaxial pipe appears to be suitable since the pipe has no characterising features, lacks an inventive step.

Re Item VII

Certain defects in the international application

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in documents D1-D4 is not mentioned in the description, nor are these document identified therein.